# OPERATING INSTRUCTIONS FOR JAPCELL BC-1600 BATTERY CHARGER

## 1. For your safety

To prevent damage to this charger or injury to yourself or others, please read the following operating instructions before usage. Keep the operating instructions for future reference.

## 2. Specifications

| | |
|---|---|
| Input: | 12V – 2000mA |
| Output: | AA: 1.2V – 500mA |
| | AAA: 1.2V – 250mA |
| Discharge current: | 200-300 mA |
| Battery type: | Ni-MH rechargeable batteries |
| | Ni-CD rechargeable batteries |

## 3. Features

- Suitable for 16 pcs AA/AAA Ni-MH/Ni-CD rechargeable batteries.
- Advanced IC/Delta-V control function.
- Over-heat, overcurrent protection. Short-circuited protection, and defective battery detection.
- 16 individual charging channels.
- LCD indicates individual charging status.

## 4. LCD Indicator

| LCD Indicator | Status |
|---|---|
| CHG | Charging |
| DSCHG | Discharging |
| (Solid) | Fully charged |
| (Flashing) | Charging in progress |

## 5. Charge Time

| Battery Capacity | Charging Time 1-8 batteries |
|---|---|
| AAA 700mAh | 1.8 h |
| AAA 900mAh | 2.3 h |
| AA1500mAh | 3.9 h |
| AA 1600mAh | 4.2 h |
| AA 1800mAh | 4.6 h |
| AA 2000mAh | 5.2 h |
| AA 2300mAh | 6 h |

The charging time is just for reference, and the other battery capacity can be calculated in the same way.

## 6. Operation Instructions

1. Insert 1-16 pcs AA/AAA Ni-MH/Ni-CD rechargeable batteries into the battery compartment.
2. Make correct contact for polarity (+ and -) according to the sign in the battery compartment.
3. LCD indicates the charging process.
4. Remove batteries and unplug the charger after charging.
4. Use best at 0-40° C.

## 7. Cautions

- Children should only use this product under adult supervision.
- Clean the charger with a dry clean cloth. Keeping the metal contacts clean will help maintain high performance.
- If the LCD screen does not light up, make sure that the unit is properly plugged in. If the screen still fails to light up or flashes, the charger may have a short circuit or the batteries may be defective/improperly inserted.
- Correctly insert the batteries and avoid reversing the +/- pols.
- The charger is only intended for charging Ni-MH and Ni-CD batteries. Charging other battery types may damage the charger, cause explosions or personal injury and / or property damage.
- Incorrect use may result in electric shock.
- For indoor use only! Keep away from humid and hot places.
- Do not disassemble or reassemble the charger.
- The charger should be placed in a horizontal position when used.
- Batteries may contain hazardous materials, and may be non-disposable. Please dispose of the batteries in a correct and safe manner.
- Charger may not be able to fully charge batteries wich have not been in use for long periods of time. Several recycles of charging and discharging will improve battery's performance.

## 8. Warning! Avoid electric shock

- To prevent electric shock or fire do not expose this product to rain or moisture.
- This charger is for indoor use only.
- The charger is only intended for charging NiMH and NiCd batteries. Charging other battery types may damage the charger, cause explosions or personal injury and / or property damage.
- Always keep dry.
- Do not operate the charger if the plug is damaged.
- Never attempt to repair the charger or batteries yourself.

For further information please contact: www.japcell.eu - hello@japcell.eu